

Eosentomon foroiuliense sp. n.
a new Proturan species from Italy
(Protura, Eosentomidae)

by

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With 1 figure

ABSTRACT

A new species, *Eosentomon foroiuliense* (type locality: Pian del Cavallo near Aviano-Friuli) is described and figured. It is characterized with: 4 a-setae on terg. VII, ratio of setae on stern. IX $a_1 : a_3 = 2.6$ and female squama genitalis.

Eosentomon foroiuliense n. sp.

Holotype: ♀ (41-1) from Aviano (Friuli, PN) loc. Pian del Cavallo, 1200 m alt., 9.XI.1979 L. Briganti leg., sample of humus soil in Fagetum. Holotype mounted in Swan's medium kept in Muséum d'Histoire naturelle de Genève. Unfortunately the specimen is broken in three pieces.

Derivatio nominis. The name is derived from the region Friuli on which the animal was found.

Description. — Length of body 1050 μm , foretarsus without claw 112 μm .

Head. — The mouthparts of medium size, labral seta present. Clypeal apodeme strong, horseshoe-shaped (Fig. C). Maxillary and labial sensillae more or less distinct. Pseudoculus rather small (Fig. D), PR = 11.

Torax. — Spiracles of meso- and metatorax well developed (Fig. E).

Foretarsus (Figs. A, B). Sensillae *e* and *g* spatulate. *g* longer than *e*, t_2 longer than *d*. Sensillae *a*, *c*, *d* and t_3 little. f_2 very little. The ratio of sensillae on exterior side of fore-

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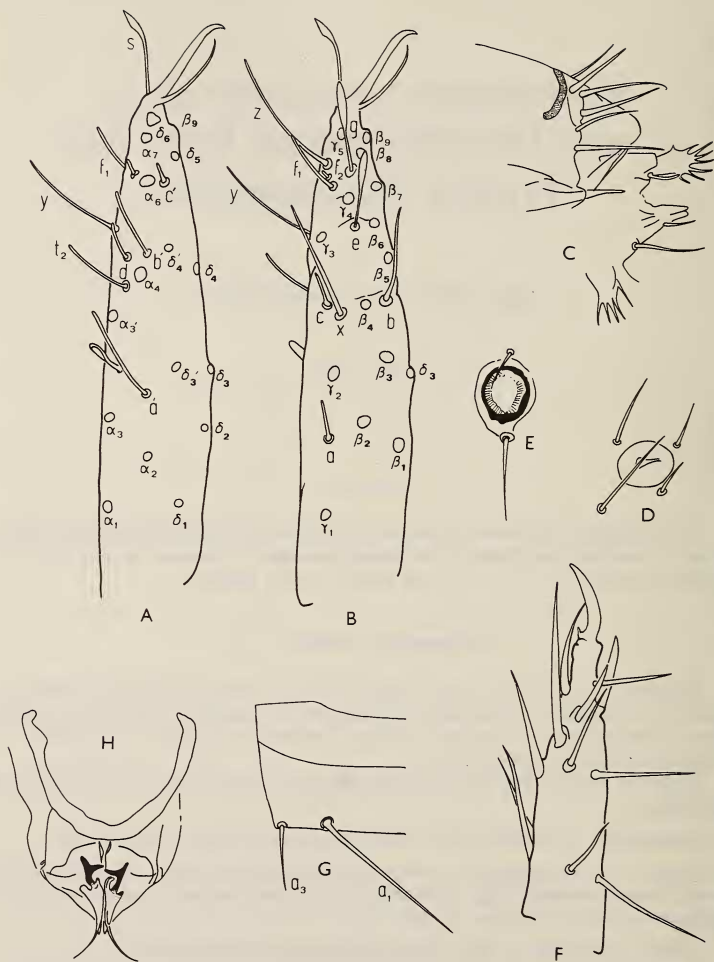


FIG. 1.

Eosentomon foroiuliense sp. n. ♀ holotype: A. Foretarsus in interior view. — B. Foretarsus in exterior view. — C. Forehead. — D. Pseudoculus. — E. Spiracle from mesonotum. — F. Hind tarsus. — G. Stern IX. — Squama genitalis ♀.

tarsus $a:b:x:c:d:e:f_1:f_2:g$ as 13:31:39:11:12:25:2:29; on interior side $a':b'_2:c'$ as 31:21:6. BS = 1.0. TR = 5.1. EU = 0.9.

Abdomen. — Stern. IX-X with 4 setae. The ratio of setae on stern. IX $a_1:a_3 = 2.6$ (Fig. G).

Survey of chaetotaxy in TUXEN's system:

	I	II-III	IV-VI	VII	VIII	IX-X	XI	XII
terg.	4 — 10	10 — 14 ¹	10 — 14 ¹	4 — 16	6 — 9	8	8	6 — 3
stern.	4 — 4	6 — 4	6 — 10	6 — 10	7	4	8	8 — 7

¹ p'₄ missing.

The outer genitalia. — Squama genitalis ♀ (Fig. H) is characterized by caput processus ending in two horns and the median is situated at right angle as regards to stylus.

Affinity. Squama genitalis is unique among Eosentomids resembling that of *Isoentomon atlanticum* (Cdé).

ACKNOWLEDGEMENT

Our thanks are due to Mr. Luciano Briganti for giving the material.

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